From qrp-l@Lehigh.EDU Wed Nov 22 14:49:00 1995
From: tmh@world.std.com
Subject: [372] A 20m SSB Net?
Message-ID: <Pine.3.89.9511211502.B22823-0100000@world.std.com>

So I've finished my Cascade and according to the 'scope it's
working.

Now-- how's about some sort of 20m QRP SSB net for the New England
(Well, zones 1 and 2) area (maybe larger). The idea would be to make
reasonably reliable contacts, not set miles-per-watt records. This
is my first sideband rig and I could use the operating experience, and
it would be more fun than chasing kilo-watters in Florida.

Does something like this already exist?

I'm thinking maybe a Saturday-morning kind of thing, with maybe some
early weekdays and/or early evenings if that's practical
propogation-wise.

Anybody interested? Any other suggestions?

-- Tim

| Timothy Huntington, N1PAZ |
| President, Boston Amateur Radio Club |
| tmh@world.std.com |

From qrp-l@Lehigh.EDU Wed Nov 22 14:49:00 1995
From: Mike Robinson <miker@cc.com>
Subject: [373] Antenna Book
Message-ID: <9511212052.AA24200@voder.nsc.com>

Does anyone have the book called "Antennas" by Krauss.
I would like to buy or borrow this book.

=-=-=-

From qrp-l@Lehigh.EDU Wed Nov 22 14:49:00 1995
From: PB13128@deere.com
Subject: [393] DOCUMENT 11/22/95 07:57:08
Message-ID: <DACDXX21.PB13128.930957070095326FDACDXX21@TCP30.DX.DEERE.COM>

Subject: Fox Report, 22 November 1995

From: Pete, NN9K (pb13128@deere.com)

Another night to be somewhere else other than 40 meters! Listed below are the stations worked. Please note I heard and worked no one in the novice portion of the band.

There were a couple of other stations heard, but their signals were about 1/2 S unit above ESP and I never could get calls.

Also please, please try to zero beat the fox. One station I worked was at least 2 Kc's off my transmit frequency. The band happened to be up when he called or else I would have never heard him. The rest of the QSO took place with signals barely above the noise level.

DATE	TIME	CALL	Sent	Rcvd	QTH	NAME	FREQ	EMIS	PWR
22/11/95	1:31	KC2DU	539	339	NY		7.042	CW	5
22/11/95	1:40	NZ4I	449	449	VA	Ransom	7.042	CW	5
22/11/95	1:47	N3KFL	449	339	PA	Al	7.042	CW	5
22/11/95	1:56	K2NF	449	339	FL		7.042	CW	5
22/11/95	2:33	KD4HZ	559	449	TX	Greg	7.042	CW	5
22/11/95	2:37	AA2WJ	449	339	NY	Dick	7.042	CW	5
22/11/95	2:43	AA2PF	339	339	NY		7.042	CW	5
22/11/95	2:46	W5HNS	579	559	TX	Henry	7.042	CW	5
22/11/95	2:54	WD4MPS	539	549	Al		7.042	CW	5

Thanks to all who participated and have a Happy Thanksgiving.

72/73

--------- ----- ------------ ------------ ------------ --
------------------ ----

WJ2O Master QSO L ogging Progra m

From qrp-l@Lehigh.EDU Wed Nov 22 14:49:00 1995
From: paxton@sound.net (frank paxton iii)
Subject: [365] FOLLOW UP: OHR wattmeter
Message-ID: <199511211704.LAA22156@sound.net>

thanks for your messages. nobody is in too big a hurry to sell theirs ! ha !
i guess i'll just have to cry myself to sleep and dream about getting some
STEADY WORK .. de ng0n.

From qrp-l@Lehigh.EDU Wed Nov 22 14:49:00 1995
From: jgoemans@facstaff.wisc.edu (Jane Goemans)
Subject: [385] Fox skipped over Wi !
Message-ID: <199511220320.VAA109723@audumla.students.wisc.edu>

Of course, I was too close in S C Wi. to hear a trace of Peter, tonite's
fox, but had fun tracking him by the guys at the other end of his QSO's.
I DID think about throwing a rig in the car and driving down... but, um,
well, ahem, 3 hours each way !!

Have a set of Ten Tec mobile whips, off my previous car/HF setup, curious
if anyone else has used them, and any comments. I have not directly
compared them to another mobile ant, but suspect they are at least as good
as a Hustler whip setup.

BTW, the "Jane " at the top of this msg is my XYL N9AWW, but that's another
story !
                              72 Paul WA9PWP QRP ARCI, NorCal, etc...
Paul Goemans WA9PWP
4326 Clover Court Madison, WI 53711-4805
608-274-5143   jgoemans@facstaff.wisc.edu

From qrp-l@Lehigh.EDU Wed Nov 22 14:49:00 1995
From: paul1@wizard.ucs.sfu.ca (Paul Erickson)
Subject: [375] Fox tonight?
Message-ID: <9511212225.AA22899@wizard.ucs.sfu.ca>

Perhaps I missed it , but is the fox running tonight?

cheers, Paul
ve7cqk
email: paul1@wizard.ucs.sfu.ca

From qrp-l@Lehigh.EDU Wed Nov 22 14:49:00 1995
From: jsbraun@vivanet.com
Subject: [383] FS: Yaesu FT-301s QRP HF Transceiver
Message-ID: <9511212201.aa26144@vivanet.vivanet.com>

The Yaesu FT-301s is available, the pperson who was to purchase the Transceiver just informed me that he can not do so.
So here is the the information: Yaesu FT-301s QRP HF Transceiver which covers 10m thru 160m, modes of CW, AM, USB, LSB, and FSK. Features include all solid state design, variable output (up to 10watts), has all the optional filters installed(CW, AM, SSB), VOX, semi-breakin CW with sidetone, 25/ 100khz calibrator, Noise Blanker, fast/ slow AGC, and Speech Processor. Includes DC Power Cord, Microphone, and Manual.
In VGC (face in excellent condition, case has some scratches)
Asking $250
if interested call me at (716) 367-9826 or E-mail

Thanks /72's
  de Scott
       KB2GWF

From qrp-l@Lehigh.EDU Wed Nov 22 14:49:00 1995
From: william.redfearn.cmwdr01@nt.com
Subject: [387] FS:MFJ-9020
Message-ID: <"26499 Tue Nov 21 20:01:25 1995"@nt.com>

For Sale:

MFJ 9020 20 meter CW transceiver

14.000 - 14.075 MHz
0 - 5 watts output
Superhet receiver with crystal filter & RIT

Good condition, works fine.
with:
MFJ-412 iambic keyer module,
MFJ-4112 portable power pack,
manuals, and boxes.

Asking $175 for all, shipped.
73 - Dave.

==
Dave Redfearn, Sr RF Systems Engineer   NORTEL   RTP, NC.
ph.(919) 992-3925 email: cmwdr01@nt.com   qrl? de N4ELM/qrp

All opinions are my own, no one else wants them.

From qrp-l@Lehigh.EDU Wed Nov 22 14:49:00 1995
From: "Patrick Tendam" <buckeye@alpha.wcoil.com>
Subject: [386] Gel Cell Chargers
Message-ID: <199511220324.WAA14731@alpha.wcoil.com>

KT3A requested comments on gel cell chargers. I built one from a kit offered by Tejas RF Technology which I purchased many years ago at Dayton Hamvention. This kit was based on an article written by Don Johnson, WB6MXD entitled, "ADifferent Kind of Charger" which appeared in 73, August 1980, pg. 115. It seems simple enough and is easily modified to suit the size gel cells you use. I've had all positive results with it and have used it to charge many hamfest gel cells. I believe I have the world's largest collection of used gel cells. I can't seem to leave them with their former owners. KT3A, let me know if you need more info.

Pat, WS8T

From qrp-l@Lehigh.EDU Wed Nov 22 14:49:00 1995
From: ruswhite@netwest.com (Russell W. White)
Subject: [389] got the fox
Message-ID: <199511220500.WAA15622@saguaro.netwest.com>

That's the critter with the white stripe runnin' down it's back right!!

Well, I guess I got skunked then. But, I think I almost got the fox. Finally heard him about ten minutes before he was skeduled to pull the plug. Found him when I heard someone in contact with him. He's reading about 229 and I'm thinkin' that this may be a little bit difficult. Actually, I'm thinking that this may be a lot bit difficult. I'm listening hard and getting ready to send out my call when another station starts to call CQ maybe 100Hz away. He's Qrp also, but compared to the fox he seems to be QRO.

Well, in any case, I have three skins hangin' in the shack and

tomorrows fox is in California which gives me (in Phoenix) a fighting
chance.

- -

Speaking of Verticals, what is the general impression of the
Ham Stick antenna. I'm curious about this because of the $20 price.
I think that I also heard of putting two base to base to make a dipole.

73 de Russ AB7JX
Russ White AB7JX (ex WB1GQG) QRP-ARCI NORCAL NEQRP
Phoenix AZ

From qrp-l@Lehigh.EDU Wed Nov 22 14:49:00 1995
From: Duane Anderson <dandersn@ix.netcom.com>
Subject: [392] Individual small parts suppliers
Message-ID: <199511221312.FAA01230@ix5.ix.netcom.com>

Hi All:

Does anyone know of a source for parts and pieces for building projects? I
want to work on a transceiver design and experiment with designs but need
those necessary individual parts to do it. I have an address for toroids
but need sources for IC's, transistors, capacitors, etc.

Also, does anyone know how to match crystals?

Thanks and 72/73,
Duane, KJ7HO

From qrp-l@Lehigh.EDU Wed Nov 22 14:49:00 1995
From: LVE1@inel.gov (Larry East)
Subject: [359] J309 JFET's
Message-ID: <9511211553.AA01392@garnet.inel.gov>

Anyone know of a source for these little critters? Or 2N4416's?

72, Larry W1HUE/7
LVE1@inel.gov

From qrp-l@Lehigh.EDU Wed Nov 22 14:49:00 1995
From: Mike Robinson <miker@cc.com>
Subject: [369] January Hamfest
Message-ID: <9511211906.AA16241@voder.nsc.com>

Northern Colorado Amateur Radio Club's

--- W I N T E R S U P E R F E S T ---

Saturday, January 13th, 1996
Larimer Country Fairgrounds
Loveland, Colorado

Public admitted at 9am, $3
Vendors at 7am (or previous night) $8/table

VE Testing mid-morning

ObQRP:
 The Colorado QRP Club will have table showing
off kits and excepting memberships.

=-=
7.3 de Michael aa0ub | QRP:
miker@cc.com Norcal #857 CQC #180 | "UR HB 5W FB HR 72"
=-=

From qrp-l@Lehigh.EDU Wed Nov 22 14:49:00 1995
From: Mike Robinson <miker@cc.com>
Subject: [370] January Hamfest
Message-ID: <9511211915.AA16493@voder.nsc.com>

Northern Colorado Amateur Radio Club's

--- W I N T E R S U P E R F E S T ---

Saturday, January 13th, 1996
Larimer Country Fairgrounds
Loveland, Colorado

Public admitted at 9am, $3
Vendors at 7am (or previous night) $8/table

VE Testing mid-morning

ObQRP:
 The Colorado QRP Club will have table showing
off kits and accepting memberships.

=-=
7.3 de Michael aa0ub | QRP:
miker@cc.com Norcal #857 CQC #180 | "UR HB 5W FB HR 72"
=-=

From qrp-l@Lehigh.EDU Wed Nov 22 14:49:00 1995
From: rnygren@epix.net (Bob Nygren)
Subject: [391] My "Big Loop" and Sweeps.

     Greetings to All!

     The week before CW Sweeps, I took down my 80 meter dipole and
replaced it with a full sized 80 meter horizontal loop.The plan was
to have an antenna with excellent coverage in-close, and also have
respectable performance on the other bands, especially 40.
     The loop is not very high. The corner tied to the chimney is
up about 25 feet. The other corners 35 to 40 feet. It is fed with
450 ohm ladder line A small MFJ tuner handles the shack end.
     My SS results are as follows:

Band	SSB QSO's	SSB Sections	CW QSO's	CW Sections
80	177	33	121	24
40	18	4	45	4
20	14	4	56	33
Total	209	48	222	61
Points	20,064		27,084	

     The approach for CW was "search and pounce". With the TAC-1
and the "big loop" on 80 meters, it was more like, "seek and destroy".
What an outstanding combination!! Most contacts on 80 were one call.
The 33 sections on 20 meters verify the antenna played well to the west.
The number of QSO's on 40, however,did not meet expactations.
     SSB Sweeps got off to a shakey start. I perhaps jumped into
the fray too early. I started on 20, and failed to work a single

station in a half hour. I checked everything before leaving the shack in disgust. (I am not a patient person!)

After cooling down, I decided to ready the station for 75 meters. I worked 2 or 3 stations quite easily with good comments regarding my signal strength. So I moved up a couple KHz and gave a call. One hour later, 49 stations were in the log!! (Including N2KPY which was worth a FREE BEER!)

The results on 40 and 20 were not as positive. But if I couldn't work a station with the loop, I switched to a big GAP on 40 or a 2 element quad on 20. The antenna was not the factor. I still couldn't work them.

My conclusion is that the loop is a winner on 80 meters. Performance on 40 did not meet expectations.

Any suggestions for a killer antenna for 40??

73, Bob WA3YON <rnygren@epix.net>

From qrp-l@Lehigh.EDU Wed Nov 22 14:49:00 1995
From: "Tim Stabler" <TSTABLER@iunhaw1.iun.indiana.edu>
Subject: [367] OHR
Message-ID: <202450F0D@iunhaw1.iun.indiana.edu>

Many thanks to all who responded to my call for help with my Explorer (I).

As I stated, Dick, of OHR, was very helpful on the phone and he DOES know his kits. When we finished, he was sure the short was between the 12 volt line and ground. I have looked at that trace to the point where I can sketch out the 12 volt printed circuit board trace in my sleep. Nothing!!!

So, with a copy of all the replies, I will be spending time this weekend (as there is no school) with the kit and the circuit diagram.

Will let you know what I find.

Thanks again

72 de Tim WB9NLZ

From qrp-l@Lehigh.EDU Wed Nov 22 14:49:00 1995
From: Marshall Emm <75230.1405@compuserve.com>
Subject: [380] OHR Deal Still On-- CQC's anyhow.

Message-ID: <951122015050_75230.1405_HHB67-2@CompuServe.COM>

>From:paxton@sound.net (frank paxton iii)

>i saw an e-mail that suggested that the OHR 'group buy' discount was extended
>till the END of NOVEMBER... is that correct ? de ng0n   frank.

The Colorado QRP Club's OHR deal does indeed run to the 30th of November. The
QRP-L deal officially expired weeks ago. But since the CQC is good value for
money and you will immediately save money with OHR, I'll send membership
and OHR info to you privately.

If anyone else is interested, just ask!

73/72
Marshall
AA0XI/VK5FN

From qrp-l@Lehigh.EDU Wed Nov 22 14:49:00 1995
From: Mike Robinson <miker@cc.com>
Subject: [371] Other RS's
Message-ID: <9511211918.AA16625@voder.nsc.com>

Can someone put up the info on the other
RS satellites? RS10/11 and RS15.

Modes, beacons, up/dn link frequency bands, etc.
Are they QRP birds like the RS12/13?

=-=
7.3 de Michael aa0ub | QRP:
miker@cc.com Norcal #857 CQC #180 | "UR HB 5W FB HR 72"
=-=

From qrp-l@Lehigh.EDU Wed Nov 22 14:49:00 1995
From: W3ZIF@aol.com
Subject: [394] QUESTION RE' MFJ-9020
Message-ID: <951122090211_87623234@mail04.mail.aol.com>

Dear Sir,
I am the owner of an MFJ-9020 QRP rig that I bought at an estate sale a

little over 2 years ago. It is of the original design before any modifications were made to it. I too have had a drifting problem with it and upon calling MFJ I spoke with one of their engineers who said he would send me the 2 capacitors needed to alleviate this problem.
The C32 and C33 capacitors are to be replaced.
However, when I tried to get into this unit, I was able to remove the volume and RIT knobs but no way was I able to remove the larger tuning knob. I had the right size allen wrenches but no way could I budge it. As a result, I never did get time to try again but in replacing the volume and RIT knobs, somehow the threads got stripped and would not remain tight on the shaft. I called MFJ and they said they could send me 2 knobs but it would cost about $5.00 + shipping. I decided to go to Radio Shack and was able to purchase a pack of 4 knobs that look exactly like the MFJ knobs and it only cost me about $3.00. These knobs have a regular set screw on them and are of a much better quality than the MFJ knobs.
I still do not know how to get the main tuning knob off the thing.
Any suggestions?
Best 73 de Roy - W3ZIF

From qrp-l@Lehigh.EDU Wed Nov 22 14:49:00 1995
From: DAVEAF5U@aol.com
Subject: [388] ScQRPions
Message-ID: <951121232227_113464508@emout04.mail.aol.com>

The Arizona ScQRPions will have a field event at the Mesa Community College, Hwy 60 & Dobson Rd. (North on east side) in Mesa, AZ on Saturday December 2nd. Talk-in will be on 147.12+. The ScQRPions will show and tell QRP rigs that are homebrew.

- On-the-air HF Demonstrations
- Pop-the-Hoods on our Rigs
- All Questions Answered by Friendly Hams

AB7JX.....KC7NEV....NQ7K....KJ7EY....KC7AKW....NQ7X....WB0NVB....AF5U....

From qrp-l@Lehigh.EDU Wed Nov 22 14:49:00 1995
From: John_Foote_at_HDN-BCSE@ccgate.ml.nec.com
Subject: [368] Small AC to 12VDC supply for Alinco DX-70T, etc.
Message-ID: <9510218169.AA816990357@mvlsmtp.ccgate.ml.nec.com>

Does anyone know of a good candidate for a highly portable, itty bitty power supply to use with the Alinco DX-70 or Kenwood TS-50S so that I

could take same on a business trip, packed in my luggage.

It would have to support the low power -- 10 watts out -- mode, at 13.8 VDC. That would imply about 2 amps @ 13.8 VDC.

These rigs are so light and small they just beg to be taken along.

Next thing I need to do is design a really portable, packable antenna that will operate in a hotel room (most hotel windows don't open these days) and be effective (hear and be heard with XMTR output of 5 to 10 watts on 40m, 30m and 20m.

Thanks in advance for suggestions.

73 and 63 +9 de KR4GL John Foote

From qrp-l@Lehigh.EDU Wed Nov 22 14:49:00 1995
From: AA3MD@aol.com
Subject: [366] Ten-Tec Scout/Argo
Message-ID: <951121120732_29636729@mail06.mail.aol.com>

Would like opinions/feedback from anyone having experience with Ten-Tec's Scout or Argo 556 for QRP operating. Also, does anyone know the ease of which to reduce power levels below 5 watts on the Scout?

From qrp-l@Lehigh.EDU Wed Nov 22 14:49:00 1995
From: GREGOIRE@VALLEY.NET (ERNEST GREGOIRE)
Subject: [396] Thanksgiving
Message-ID: <199511221405.JAA14248@dartvax.dartmouth.edu>

Hello Gang,

You know somewhere about a 1,000 miles up the Amazon River there is an Indian sitting by a campfire roasting a monkey he just shot with a posioned arrow saying to himself that it doesn't get any better than this!"

Happy Thanksgiving
73
de AA1IK

Ernie
de AA1IK N.E.-QRP-C. # 202 (Lead by example, It is better to)
                             (pull a string than it is to push it.)

Ernie Gregoire
RR 1 Box 221
Canaan, NH. 03741

New England QRP Club, information
available on request by sending me a
 S.A.S.E. or via E-mail.

e-mail : GREGOIRE@VALLEY.NET
packet : AA1IK@WA1WOK.FN43FE.NH.USA

From qrp-l@Lehigh.EDU Wed Nov 22 14:49:00 1995
From: PeterWK8S@aol.com
Subject: [362] Vertical for sale-new
Message-ID: <951121112537_112788890@emout04.mail.aol.com>

Well... almost new-- is just a few week old and has full warranty.
I have a DX-77 ready for a new home. Designed to compete against the R7. It
covers 10-40 meters-check QST and other mags for the HYGAIN ad details.
 Priced to sell long before Christmas at $245 plus shipping. Email me direct
so not to waste bandwidth here on the list.... PeterWK8S@aol.com

Yes it works well on QRP. I rarely use any other power levels.
Reason I'm selling? Making changes around the QTH (XYL's orders :-)
Pete

From qrp-l@Lehigh.EDU Wed Nov 22 14:49:00 1995
From: "David D. Meacham" <ddm@datatamers.com>
Subject: [374] WANT
Message-ID: <Pine.LNX.3.91.951121123400.2348A-100000@dt1.datatamers.com>

Gang,

I'm looking for a Ten-Tec Model 215 microphone, the type used with the
early Argonauts. Anybody willing to part with one?

72, Dave, W6EMD

From qrp-l@Lehigh.EDU Wed Nov 22 14:49:00 1995
From: Marshall Emm <75230.1405@compuserve.com>
Subject: [381] WTB: OHR watt meter
Message-ID: <951122015120_75230.1405_HHB67-4@CompuServe.COM>

Hi, Chuck--

>I'd be interested (and you don't have to give their name) if you
>find anyone that has a WM-1 OHR wattmeter that would part with it.

He could always try Dick Fritzke.... [g]

73/72
Marshall
AA0XI/VK5FN

From qrp-l@Lehigh.EDU Wed Nov 22 14:49:00 1995
From: "rohre" <rohre@arlut.utexas.edu>
Subject: [364] RE: antenna switch reactance
Message-ID: <n1395170764.1795@msmailgw1.arlut.utexas.edu>

Paul,
you raised a good question about antenna switches, and handling reactance of same.

I would try to redo the connections to minimize strays. The commercial boxes often are pretty good at not having any of consequence, so let us look at the measures one can take.

First of all, are you going from UHF coax connectors with bare wire to the center pins, to a wafer switch? This has been done, but you have to use minimum lead length. Leads should not run parallel for any distance unless coax. Is the switch ceramic wafer insulation? That will give the best result. One must be careful not to have solder flux from connections on the insulation. On the other hand, do not use oily contact cleaners on these switches that could leave an oil residue for dust and other contamination to build upon on the insulator surface. Even bakelite insulation should be adequate for QRP signal levels. A larger wafer will have less capacitance between switch contacts than a miniature one.

If you must arrange the coax connectors with some inches between the switch contacts and the UHF connectors, or BNC or whichever; then it might be worthwhile to actually use coax. Where all the shields come up to the switch contacts you can handle that in two ways. If there is a second switch section, you could switch both the shields and the center leads, and this may

give the best isolation. Another method is to place an insulated bus wire and terminate all shields to it. This has the disadvantage that unselected coax leads have a shield in common with active ones, and in effect there is a small capacitor coupling the signal back to unused connectors, by the shield to center conductor capacitance that may be 2.5 pf per inch of coax of the 1/4 inch type.

Enclosing the switch in a metal box should help prevent unwanted signal pickup. Of course a steel box gives both magnetic and electric field shielding, while aluminum only strongly shields the electric field. Some commercial tuner makers address this by using a steel plate as a ground plane inside an aluminum box, but I have not evaluated the effectiveness of this precisely. However, I did have an experience with such a small tuner in it not working well on 80M when it was sitting on a TS-140 QRO rig. Only by moving it over beside the rig was the magnetic coupling through the case lessened to the point that normal loading of the antenna could be observed on the Power meter. This tuner was the short height type where the coil is a large diameter, but snug against the bottom of the box, mounted vertically, in the familiar Tee circuit with the bottom of the coil grounded to the box, but sitting on the steel plate for magnetic shielding. However, the steel plate was only as wide as the coil diameter, and this proved inadequate in this case.

Well, short connections, shielded leads, and good wiring practices, in not having a rats nest of criss crossing wires should make unnecessary any compensation of strays. The remaining strays should be so little in terms of reactance at the amateur band wavelengths as to be of little effect. What I suspect you may have is some common coupling through common grounds. Are you using the case as one side of the circuit, and not providing any connection for coax shield but the screws of the connectors? This sometimes is a cause of problems with resistive connections. Another area of concern is use of rivets in place of screws, lockwashers and nuts. You must make sure all grounds are
penetrating any paint on the case, etc. Some commercial switches use brass or copper strap rather than solid wire for connections, and material for this can be found at Model Airplane hobby shops that stock a variety of brass and other metals in various shapes. Hope these ideas help.

72, Stuart K5KVH

From qrp-l@Lehigh.EDU Wed Nov 22 14:49:00 1995
From: "Jim Kortge, NU8N" <jokortge@sun.lisp.com>
Subject: [376] Re: Cascade mikes (mics?)
Message-ID: <9511212327.AA14162@sun>

At 08:58 PM 11/20/95 -0700, Mark, AA7TA wrote:
>Hi Jim...
>
>I've been thinking all along to mod the Cascade for 40/17. 40M SSB is not
>always that great because of the SW BCI but I like 17M. Did you build yours
>for 80/20 and then mod it or go straight to 40/17? When you get it where you
>think it's about right, I'd be interested in hearing about what it takes.
>
>73...   Mark   AA7TA
>
>
Hi Mark. Well in may opinion, you don't want to build it for 75/20, and
then modify it. There are just too many parts that have to change, and I
think you will probably wreck the PC board before you are all done. I
started out with the intent of building it on 40/17, and don't regret the
decision. There have been plenty of parts swapping as mine is the first rig
to be built for that band pair. John, K7RO didn't get a chance to build a
prototype, before that rig went into production. No big deal, but I have
spent a over one hundred hours so far getting the thing working reasonably
well, and helping John and Dave, W6EMD chase down the last remaining problems.

The upside is that I have made some really nice contacts on 17. During the
past three days, I worked Cape Verde Is. (D44), Venezuela, (VY6), and
several stateside stations in Mass, New York, Texas, Fla, etc. Good signal
reports and teriffic audio comments. So I really am having great fun with
the rig.

Hope this info helps. Will be glad to assist when you want to start
building yours.

72....Jim

Jim Kortge, NU8N | Bicycle Mobile Hams
jokortge@lisp.com | __o   of America
Fenton, MI |_`\<,   Mizuho 17m/40m QRP SSB
..   ..   (*)/(*) .   .   .   .

From qrp-l@Lehigh.EDU Wed Nov 22 14:49:00 1995
From: "George C. Dorner" <gdorner@harper.cc.il.us>
Subject: [384] Re: Ft. Wayne Hamfest
Message-ID: <Pine.3.87.9511212113.A17561-0100000@hp-h50.harper.cc.il.us>

On the way in to work yesterday, my friend KB9FO waxwd eloquent at how
much he enjoyed the Ft. Wayne Hamfest. He even mentioned seeing a "QRP

guy" selling and talking about QRP. Henry is the publisher of the ATV Quarterly and attends a lot of hamfests.

geo/w9zsj

George C. Dorner
Technology, Math, & Physical Science Division
William Rainey Harper College
1200 W. Algonquin Rd.
Palatine, IL 60067-739
 (708) 925-6445
gdorner@harper.cc.il.us
CIS   70536,106
w9zsj@ke9yq.ampr.org

Sometimes you think ..Wellll..
.. and other times you just don't know!

From qrp-l@Lehigh.EDU Wed Nov 22 14:49:00 1995
From: Jim Stafford-W4QO <w4qo@america.net>
Subject: [361] Re: GRC109 - FT-243 crystals
Message-ID: <Pine.SV4.3.91.951121112005.9230I-100000@atl1>

Nils et al, I like ordering from CW Crystals in Mo. The address should be in the classifieds in QST. If not, let me know and I will look it up. He sells FT-243s for about $4 new and you order the ones you want. This is about what you pay at hamfests for used ones so get the freqs you want at a good price! I've been happy with his service altho it tends to run slow as I suspect he makes them in his basement! Can you believe it? This is not much more than I paid for rocks in the 50s!

73/72/jim/w4qo

From qrp-l@Lehigh.EDU Wed Nov 22 14:49:00 1995
From: Jim Stafford-W4QO <w4qo@america.net>
Subject: [382] Re: GRC109 - FT-243 crystals
Message-ID: <Pine.SV4.3.91.951121214439.21283A-100000@atl1>

I don't see his ad in current QSTs. Hope he is OK. He does not list a phone number. Write C-W Crystals, Marshfield, MO 65706. He was running about $4 for an FT-243 crystal. Ask for his "flyer".

73/72/jim/w4qo

From qrp-l@Lehigh.EDU Wed Nov 22 14:49:00 1995
From: "James C. Owen, III" <owen@apollo.eeel.nist.gov>
Subject: [360] RE: J309 JFET's
Message-ID: <39755.owen@apollo.eeel.nist.gov>

In message Tue, 21 Nov 1995 10:56:51 EST, LVE1@inel.gov (Larry East) writes:

> Anyone know of a source for these little critters? Or 2N4416's?
>
> 72, Larry W1HUE/7
> LVE1@inel.gov
>
MCM Electronics   1-800-543-4330 list 2N4416A at $2.66 ea.
James C. Owen, III
National Institute of Standards & Technology (NIST)
Bldg 225/B360
Gaithersburg, MD 20899
1-301-975-5623

From qrp-l@Lehigh.EDU Wed Nov 22 14:49:00 1995
From: "Jim Kortge, NU8N" <jokortge@sun.lisp.com>
Subject: [377] RE: J309 JFET's
Message-ID: <9511212342.AA14761@sun>

At 11:04 AM 11/21/95 EST, you wrote:
>In message Tue, 21 Nov 1995 10:56:51 EST, LVE1@inel.gov (Larry East) writes:
>
>> Anyone know of a source for these little critters? Or 2N4416's?
>>
>> 72, Larry W1HUE/7
>> LVE1@inel.gov
>>
>MCM Electronics   1-800-543-4330 list 2N4416A at $2.66 ea.
>James C. Owen, III
>National Institute of Standards & Technology (NIST)
>Bldg 225/B360
>Gaithersburg, MD 20899
>1-301-975-5623
>
>
Or Consolidated Electronics
   1-800-543-3568
   2N4416A @ 1.95ea

All disclaimers apply, etc.

Jim, NU8N

From qrp-l@Lehigh.EDU Wed Nov 22 14:49:00 1995
From: "John Kirk, VE6XT" <jakirk@freenet.calgary.ab.ca>
Subject: [379] Re: Other RS's
Message-ID: <Pine.A32.3.91.951121175431.30233B-100000@srv1.freenet.calgary.ab.ca>

Hi Mike:
RS10: up 145.860-900, dwn 29.360-400, qrp a definite possibility
RS15: up 145.857-897, dwn 29.357-29.957 qrp not likely
RS10 beacon: 29.357 +/- Doppler
RS15 beacon: 29.352 +/- Doppler
RS10 is a superb bird, good sensitivity
RS15 is in a higher orbit, so more intersting possibilities for dx, but I find it a tad deaf (possibly due to height). Rumour has it the launch vehicle gave it the royal boot on the way out the door, giving it a nasty spin, which causes intensely frustrating qsb on cw (like one dit out of a character)
Another interesting possibility for the vhf qrp'er is FO20:
up 145.900-146.000 dwn 435.800-435.900 beacon 435.795 +/- Doppler
Very sensitive, lots of wide open space, high enough to make qrp dxcc a real possibility.
Happy hunting!
John

On Tue, 21 Nov 1995, Mike Robinson wrote:

>
> Can someone put up the info on the other
> RS satellites? RS10/11 and RS15.
>
> Modes, beacons, up/dn link frequency bands, etc.
> Are they QRP birds like the RS12/13?
>
>
> =-=
> 7.3 de Michael aa0ub | QRP:
> miker@cc.com Norcal #857 CQC #180 | "UR HB 5W FB HR 72"
> =-=
>
>

From qrp-l@Lehigh.EDU Wed Nov 22 14:49:00 1995
From: Phil Wheeler <pcw@netcom.com>
Subject: [390] Re: Small AC to 12VDC supply for Alinco DX-70T, etc.
Message-ID: <Pine.3.89.9511212015.A9713-0100000@netcom13>

YOu could be a bit low on the TS-50S. It draws 1.5 Amp on RX (standby!),
so you probably have this in TX, plus the TX power. And, of course, 10
watts out is probably about 20 watts in (DC aka CW). You probably want
to think in terms of 3 amps for the TS-50S and likely a similar numbler
for the Alinco (these rigs are not designed for low current drain!).

I like Astron supplies, adn use several of them. I have a 2.5 amp Astron
I use for QRP rigs (e.g. OHR 400). BUT, when I first put my TS-50S on
the air I used a 20 amp (continuous, 35 amp pk) Astron supply and the rig
did not work reliably at 100 watts output, even tho max current was
stated to be 20.5 amps at 100 watts output. Called Kenwood. They
recommended I use the matching PS-33 (a smaller supply). It worked!
Apparently there are issues (impedance and such) which also count.

Conclusion: Make sure you can return the supply if it does not work for you!

Phil (pcw@netcom.com)
    aka w6tuh

On Tue, 21 Nov 1995 John_Foote_at_HDN-BCSE@ccgate.ml.nec.com wrote:

> Does anyone know of a good candidate for a highly portable, itty bitty
> power supply to use with the Alinco DX-70 or Kenwood TS-50S so that I
> could take same on a business trip, packed in my luggage.
>
> It would have to support the low power -- 10 watts out -- mode, at
> 13.8 VDC. That would imply about 2 amps @ 13.8 VDC.
>
> These rigs are so light and small they just beg to be taken along.
>
> Next thing I need to do is design a really portable, packable antenna
> that will operate in a hotel room (most hotel windows don't open these
> days) and be effective (hear and be heard with XMTR output of 5 to 10
> watts on 40m, 30m and 20m.
>
> Thanks in advance for suggestions.
>
> 73 and 63 +9 de KR4GL John Foote
>
>
>

From qrp-l@Lehigh.EDU Wed Nov 22 14:49:00 1995
From: Bill Acito 22-Nov-1995 0855 <acito@asdg.ENET.dec.com>
Subject: [395] re: Small AC to 12VDC supply for Alinco DX-70T, etc.
Message-ID: <9511221359.AA10255@us1rmc.bb.dec.com>

as a fyi,

In the Astron line, you need to get at least the 6A or 7A supply before they have a 'crowbar' protection circuit built (check the literature to make sure which one).

Crowbars trip the supply off if the voltage goes over a certain value, a typical event if the pass transitor(s) (the big one on the back with the heat sink) fails. 20 or 25 volts can do nasty things to a 12v radio.

b

. . . . . - I own my own words - . . . . . .
Bill Acito
acito@asdg.enet.dec.com
|d|i|g|i|t|a|l| Digital Equipment Corporation Hudson, MA

KC1GS .:. qrp-ne .:. qrp-arci .:. norcal .:. arrl life .:.

From qrp-l@Lehigh.EDU Wed Nov 22 14:49:00 1995
From: william.redfearn.cmwdr01@nt.com
Subject: [397] re: Small AC to 12VDC supply for Alinco DX-70T, etc.
Message-ID: <"20101 Wed Nov 22 08:25:20 1995"@nt.com>

On the TS-50s I had a year or so ago -
By turning down the backlight, I could get the RX current down to around 700 ma.
With the low power set for 5 watts, the TX current was 4.5 - 5 amps.
I re-packaged a 10 amp switching supply for use with the TS-50. This

let it run 30 - 50 watts out in CW.

73 - Dave.

==========
Dave Redfearn, Sr RF Systems Engineer NORTEL RTP, NC.
ph.(919) 992-3925 email: cmwdr01@nt.com qrl? de N4ELM/qrp

All opinions are my own, no one else wants them.

From qrp-l@Lehigh.EDU Wed Nov 22 14:49:00 1995
From: "Robert J. Gobrick" <rgobrick@public.compusult.nf.ca>
Subject: [378] Re: WANT
Message-ID: <199511220035.VAA31030@public.compusult.nf.ca>

Dave,

I'm sure you are aware of this but if you can't find the 215 mic then another good bet is the handheld Shure 404C or the base Shure 444 series units. Their impedances match the early Ten Tecs well (use both with my Argosy Digital)

Good luck 73/72 Bob VO1DRB/WA6ERB

At 15:55 11/21/95 EST, you wrote:
>Gang,
>
>I'm looking for a Ten-Tec Model 215 microphone, the type used with the
>early Argonauts. Anybody willing to part with one?
>
>72, Dave, W6EMD
>
>

 ____
| Bob Gobrick - VO1DRB/WA6ERB/VE2DRB - Newfoundland, Canada |
| QRPer Galore - ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP |
| Internet: rgobrick@public.compusult.nf.ca |
| bgobrick@terra.nlnet.nf.ca |
| Compuserve: 70466.1405@compuserve.com |
|____|

From qrp-l@Lehigh.EDU Wed Nov 22 14:49:00 1995
From: kellner@usa.acsys.com (Richard G. Kellner)
Subject: [363] Re: [332] Cascade mikes (mics?)
Message-ID: <9511211657.AA13171@usa.acsys.com>

> Date: Mon, 20 Nov 1995 16:24:54 -0700 (MST)
> From: markem@primenet.com (Mark Monninger)
> To: qrp-l@lehigh.edu
> Subject: [332] Cascade mikes (mics?)
>
> I forgot to ask in my other note...
>
> Is anyone using a speaker/mike other than the Radio Shack with the Cascade?
> I have an MFJ and an Icom that I've tried, as well as the RS unit. The MFJ
> seems to have the most output...at least it seems to give the most output
> power. Any thoughts on this?
>
> The QRP+ folks had their mike (mic?) thread, now it's the Cascader's turn :-).
>
> 73... Mark AA7TA

I initially tried an ICOM HM-75 speaker mike with my Cascade, and it doesn't work. It doesn't have the low resistance necessary to complete the biasing for Q3, so it doesn't fully turn on Q3 when pushing to talk. As a result, the +8TX line was only about 3V with the ICOM mike when keyed. I switched to the RS mike and that fixed that problem. A quick check is to measure resistance of the mike with PTT held closed. If my memory is right, it should measure about 2K to properly turn on Q3.

I also had to tweak the filters on my Cascade. In every case where adjustment was necessary, I had to remove one turn from a toroid. Just spreading out the turns was not sufficient. But I'd much rather have to remove a turn than add one.

However, now that it's all done, I really enjoy using the Cascade. The receiver is excellent, and the whole package is very well done. I like the way it matches the Sierra, and as with the Sierra there is plenty of room to install extras inside the case. My congratulations to John and to Norcal for a wonderful kit.

73, Rich W5RXP